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IAP20 Rec'd PCT/ETOs21, JUN 2006

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                                                                           3600
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                                                                          3720
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<212> PRT

<213> Homo sapiens

<400> 5

Gln Gly Glu Gly Met Arg Met Ala Ala Thr Ala Trp Ala Gly Leu Gln 1 5 10 15

Gly Pro Pro Leu Pro Thr Leu Cys Pro Ala Val Arg Thr Gly Leu Tyr 20 25 30

Cys Arg Asp Gln Ala His Ala Glu Arg Trp Ala Met Thr Ser Glu Thr 35 40 45

Ser Ser Gly Ser His Cys Ala Arg Met Leu Arg Arg Arg Ala Gln Glu 50 60

Glu Asp Ser Thr Val Leu Ile Asp Val Ser Pro Pro Glu Ala Glu Lys 65 70 75 80

Arg Gly Ser Tyr Gly Ser Thr Ala His Ala Ser Glu Pro Gly Gly Gln $85 \hspace{1.5cm} 90 \hspace{1.5cm} 95$

Gln Ala Ala Cys Arg Ala Gly Ser Pro Ala Lys Pro Arg Ile Asp 100 105 110

Phe Val Leu Val Trp Glu Glu Asp Leu Lys Leu Asp Arg Gln Gln Asp 115 120 125

Ser Ala Ala Arg Asp Arg Thr Asp Met His Arg Thr Trp Arg Glu Thr

Phe Leu Asp Asn Leu Arg Ala Ala Gly Leu Cys Val Asp Gln Gln Asp 145 150 155 160

Val Gln Asp Gly Asn Thr Thr Val His Tyr Ala Leu Leu Ser Ala Ser 165 170 175

Trp Ala Val Leu Cys Tyr Tyr Ala Glu Asp Leu Arg Leu Lys Leu Pro $180 \hspace{1.5cm} 185 \hspace{1.5cm} 190 \hspace{1.5cm}$

Leu Gln Glu Leu Pro Asn Gln Ala Ser Asn Trp Ser Ala Gly Leu Leu 195 200 205

. , . . .

- Ala Trp Leu Gly Ile Pro Asn Val Leu Leu Glu Val Val Pro Asp Val 210 215 220
- Pro Pro Glu Tyr Tyr Ser Cys Arg Phe Arg Val Asn Lys Leu Pro Arg 225 230 235
- Phe Leu Gly Ser Asp Asn Gln Asp Thr Phe Phe Thr Ser Thr Lys Arg 245 250 255
- His Gln Ile Leu Phe Glu Ile Leu Ala Lys Thr Pro Tyr Gly His Glu 260 265 270
- Lys Lys Asn Leu Leu Gly Ile His Gln Leu Leu Ala Glu Gly Val Leu 275 280 285
- Ser Ala Ala Phe Pro Leu His Asp Gly Pro Phe Lys Thr Pro Pro Glu 290 295 300
- Gly Pro Gln Ala Pro Arg Leu Asn Gln Arg Gln Val Leu Phe Gln His 305 \$310\$ 315 \$320
- Trp Ala Arg Trp Gly Lys Trp Asn Lys Tyr Gln Pro Leu Asp His Val 325 330 335
- Arg Arg Tyr Phe Gly Glu Lys Val Ala Leu Tyr Phe Ala Trp Leu Gly 340 345 350
- Phe Tyr Thr Gly Trp Leu Leu Pro Ala Ala Val Val Gly Thr Leu Val 355 360 365
- Phe Leu Val Gly Cys Phe Leu Val Phe Ser Asp Ile Pro Thr Gln Glu 370 375 380
- Leu Cys Gly Ser Lys Asp Ser Phe Glu Met Cys Pro Leu Cys Leu Asp 385 390 395 400
- Cys Pro Phe Trp Leu Leu Ser Ser Ala Cys Ala Leu Ala Gln Ala Gly
 405 410 415
- Arg Leu Phe Asp His Gly Gly Thr Val Phe Phe Ser Leu Phe Met Ala 420 425 430

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- Leu Trp Ala Val Leu Leu Leu Glu Tyr Trp Lys Arg Lys Ser Ala Thr 435 440 445
- Leu Ala Tyr Arg Trp Asp Cys Ser Asp Tyr Glu Asp Thr Glu Glu Arg 450 460
- Pro Arg Pro Gln Phe Ala Ala Ser Ala Pro Met Thr Ala Pro Asn Pro 465 470 475 480
- Ile Thr Gly Glu Asp Glu Pro Tyr Phe Pro Glu Arg Ser Arg Ala Arg
 485 490 495
- Arg Met Leu Ala Gly Ser Val Val Ile Val Val Met Val Ala Val Val 500 505 510
- Val Met Cys Leu Val Ser Ile Ile Leu Tyr Arg Ala Ile Met Ala Ile 515 520 525
- Val Val Ser Arg Ser Gly Asn Thr Leu Leu Ala Ala Trp Ala Ser Arg 530 535 540
- Ile Ala Ser Leu Thr Gly Ser Val Val Asn Leu Val Phe Ile Leu Ile 545 550 560
- Leu Ser Lys Ile Tyr Val Ser Leu Ala His Val Leu Thr Arg Trp Glu 565 570 575
- Met His Arg Thr Gln Thr Lys Phe Glu Asp Ala Phe Thr Leu Lys Val
- Phe Ile Phe Gln Phe Val Asn Phe Tyr Ser Ser Pro Val Tyr Ile Ala 595 600 605
- Phe Phe Lys Gly Arg Phe Val Gly Tyr Pro Gly Asn Tyr His Thr Leu 610 615 620
- Phe Gly Val Arg Asn Glu Glu Cys Ala Ala Gly Gly Cys Leu Ile Glu 625 630 635 640
- Leu Ala Gln Glu Leu Leu Val Ile Met Val Gly Lys Gln Val Ile Asn 645 650 655
- Asn Met Gln Glu Val Leu Ile Pro Lys Leu Lys Gly Trp Trp Gln Lys 660 665 670
- Phe Arg Leu Arg Ser Lys Lys Arg Lys Ala Gly Ala Ser Ala Gly Ala

The garage of

675

680

685

Ser Gln Gly Pro Trp Glu Asp Asp Tyr Glu Leu Val Pro Cys Glu Gly 690 695 700

Leu Phe Asp Glu Tyr Leu Glu Met Val Leu Gln Phe Gly Phe Val Thr 705 710 715 720

Ile Phe Val Ala Ala Cys Pro Leu Ala Pro Leu Phe Ala Leu Leu Asn 725 730 735

Asn Trp Val Glu Ile Arg Leu Asp Ala Arg Lys Phe Val Cys Glu Tyr 740 745 750

Arg Arg Pro Val Ala Glu Arg Ala Gln Asp Ile Gly Ile Trp Phe His 755 760 765

Ile Leu Ala Gly Leu Thr His Leu Ala Val Ile Ser Asn Ala Phe Leu 770 775 780

Leu Ala Phe Ser Ser Asp Phe Leu Pro Arg Ala Tyr Tyr Arg Trp Thr 785 790 795 800

Arg Ala His Asp Leu Arg Gly Phe Leu Asn Phe Thr Leu Ala Arg Ala 805 810 815

Pro Ser Ser Phe Ala Ala Ala His Asn Arg Thr Cys Arg Tyr Arg Ala 820 825 830

Phe Arg Asp Asp Gly His Tyr Ser Gln Thr Tyr Trp Asn Leu Leu 835 840 845

Ala Ile Arg Leu Ala Phe Val Ile Val Phe Glu Val Ala Glu Ala Pro 850 855 860

Ala Gly Ser Pro Ile His Gly Met Arg Pro Arg Pro Cys Ala Leu Pro 865 870 880

Asn Ser Ser Thr Trp